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PHOTOGRAPHIC INTERPRETATION REPORT



COMPARISON OF SELECTED
SUPPORT FACILITIES AT
SOVIET MISSILE TEST AND
SPACE CENTERS
(PMSC, KY/VLAD MTC,
AND TTMTTC)

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MAY 1967

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COMPARISON OF SELECTED SUPPORT FACILITIES AT SOVIET MISSILE TEST AND SPACE CENTERS (PMSC, KY/VLAD MTC, AND TTMTTC)

This report deals with similarities in certain of the support facilities at the Plesetsk Missile and Space Center (PMSC), the Kapustin Yar/Vladimirovka Missile Test Center (KY/VLAD MTC), and the Tyuratam Missile Test Center (TTMTTC). Both the Plesetsk and Kapustin Yar centers have similar missile receiving and checkout facilities, and there is a single, large, multi-story building of similar features at both Plesetsk and Tyuratam. Locations of the centers are shown in Figure 1.

The missile receiving and checkout facilities at Plesetsk and Kapustin Yar vary slightly in physical arrangement, but consist of the same basic buildings and associated features (Figure 2). At Plesetsk, the facility is located adjacent to the main administration and housing area, and, at Kapustin Yar, it is situated approximately 4.0 nm north-northwest of the operations area of Launch Complex C. Each facility is separately secured, and contains a rail-to-road transfer point. A sump or drainage basin is located within the facility at Kapustin Yar, and one is probably under construction at Plesetsk. The Kapustin Yar facility has an indigenous heat/powerplant, but that at Plesetsk is supplied by the plant serving the administration and housing area.

The basic feature of each of these missile receiving and checkout facilities is a set of 3 buildings (Figure 3, Items 1, 2, and 3). The largest, a rail-and road-served building approximately 205 by 70 feet and 50 to 55 feet high, has a low attached shop or shed running the entire length of one side. At Plesetsk, this building is of uniform height from end to end, but, at Kapustin Yar, it has a lower structure at one end. A pole/tower, probably a lightning arrester or lighting fixture, is located near each corner of the building. The second building, approximately 190 by 50 feet and 25 to 30 feet high, is multi-storied and has a large hardstand along one side. The third building, a low structure, reflects a major difference between the 2 facilities. Although prob-

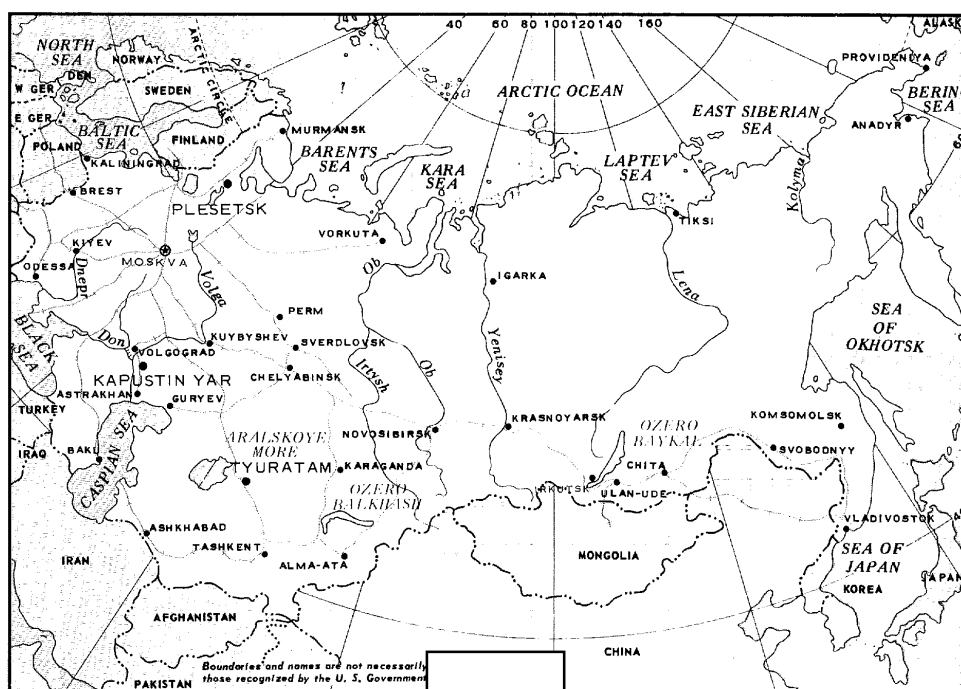


FIGURE 1. LOCATIONS OF PLESETSK, KAPUSTIN YAR, AND TYURATAM CENTERS.

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ably functionally the same, that at Kapustin Yar is considerably smaller, and positioned differently with respect to the other 2 buildings, than that at Plesetsk. A duplicate set of 3 buildings is under construction just east of the existing buildings at Plesetsk.

The missile receiving and checkout facility at Kapustin Yar was first observed under construction in [REDACTED] and was complete in [REDACTED]

Construction of the Plesetsk facility was begun [REDACTED]

and the principal buildings were complete in [REDACTED]

The chronology of significant construction events at the 2 facilities is given in Table 1.

Table 1. Chronology of Significant Construction Events at Missile Receiving and Checkout Facilities, PMSC and KY/VLAD MTC.

	KY/VLAD MTC	PMSC
	Negation	--
	First observed; entrance road apparent	--
	Railbed approaching facility from NW; entrance road extended to large bldg; road to transfer point under construction but loop not started	--
	Railbed extended approx half-way to facility; loop road pattern apparent at transfer point; 2nd-largest bldg under construction	--
	--	Negation
	Rail line complete to transfer point, with spurs to large bldg and heat/powerplant; large sump apparent	--
	Facility considered complete	--
	--	Road pattern apparent; railbed approaching facility from SE
	--	Largest & smallest bldgs under construction but stage undetermined; foundation for 2nd-largest bldg apparent
	--	Railbed extended almost to largest bldg; 2nd-largest bldg under construction
	--	Security fencing apparent; largest and smallest bldgs externally complete
	--	Missile receiving and checkout facility complete

The single, large, multistory building at Plesetsk (Figure 4) is located just west of the missile receiving and checkout facility, and that at Tyuratam (Figure 5) is within the complex support facility at Launch Complex A. Both buildings are rectangular structures approximately 440 by 160 feet, with office space along either side and the center portion probably a single open bay. The building at Tyuratam is approximately 80 feet high, about 30 feet higher than that at Plesetsk, and appears to have windows at 5 levels along the sides (Figure 6). The building at Plesetsk is rail served, and recent coverage of Tyuratam indicates that rails may be under construction to connect with the large building.

TOP SECRET

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The building at Plesetsk was first observed in [redacted] and was complete in [redacted] the Tyuratam building, first observed in [redacted] is still under construction. The chronology of significant construction events at the 2 buildings is given in Table 2.

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Table 2. Chronology of Significant Construction Events, Large Buildings at PMSC and TTMTG.

	PMSC	TTMTG
	Negation	--
	First seen; bldg under construction	--
	Railbed extended to bldg	--
	Security fencing apparent	--
	--	Negation
	--	First seen
	Bldg complete	--
	--	Bldg externally complete

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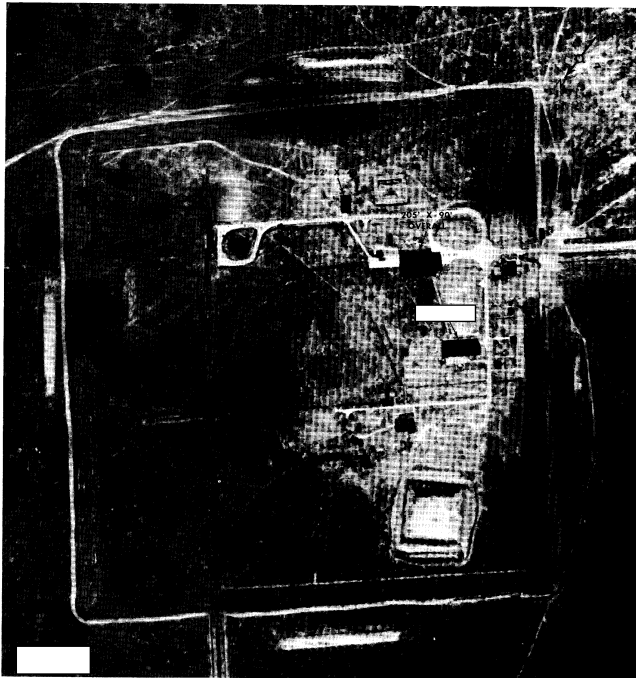
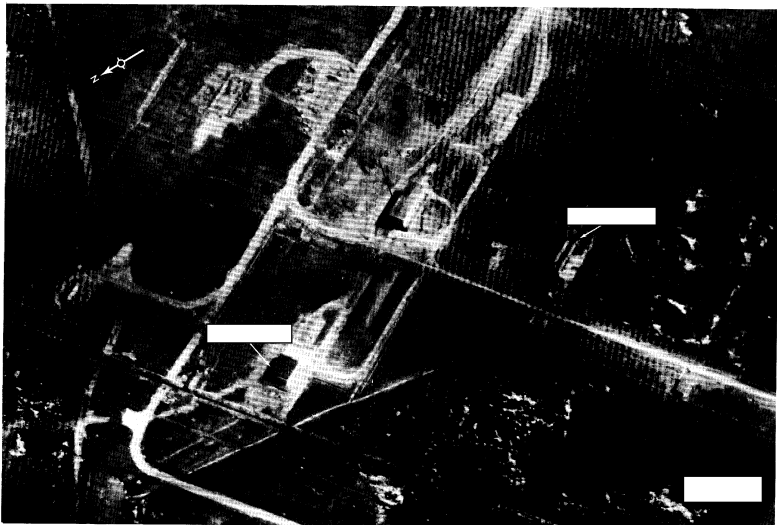
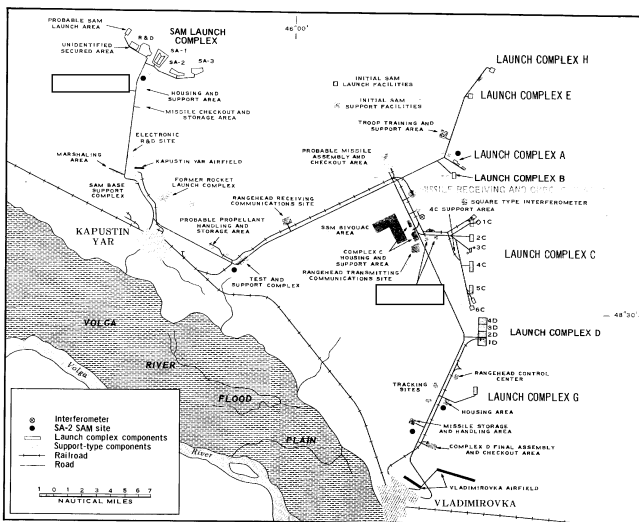
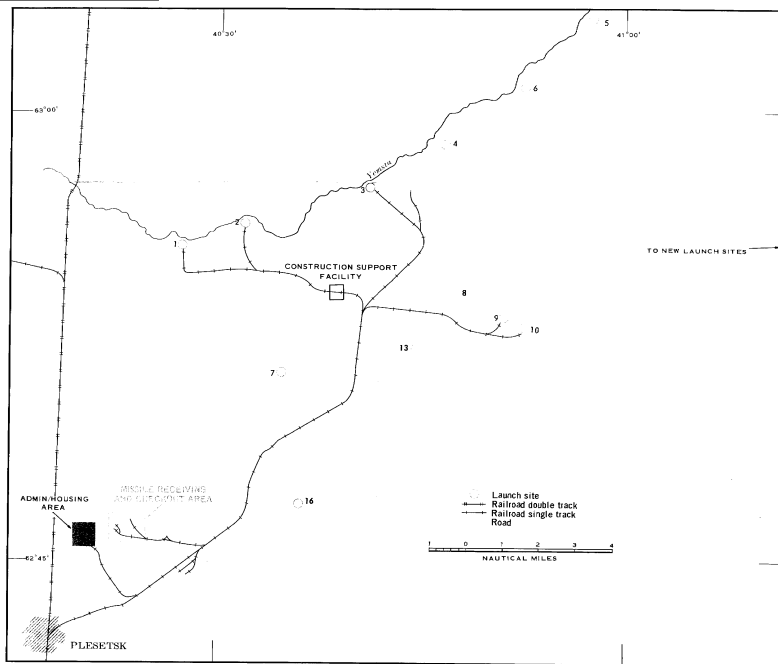


FIGURE 2. MISSILE RECEIVING AND CHECKOUT FACILITIES, PLESETSK (LEFT) AND KAPUSTIN YAR (RIGHT) TEST CENTERS.

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FIGURE 4. LARGE MULTISTORY BUILDING, PLESETSK MISSILE AND SPACE CENTER.

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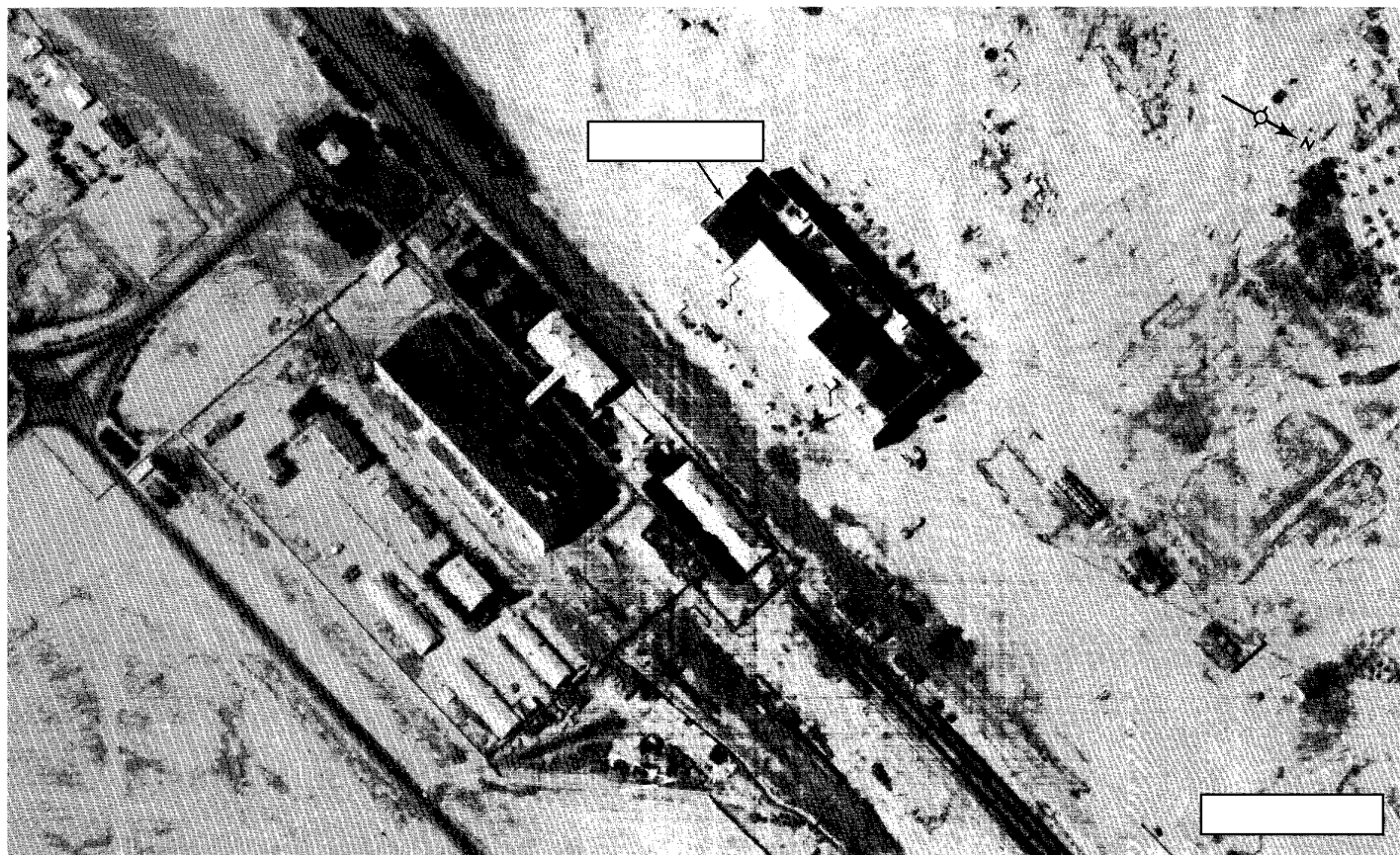
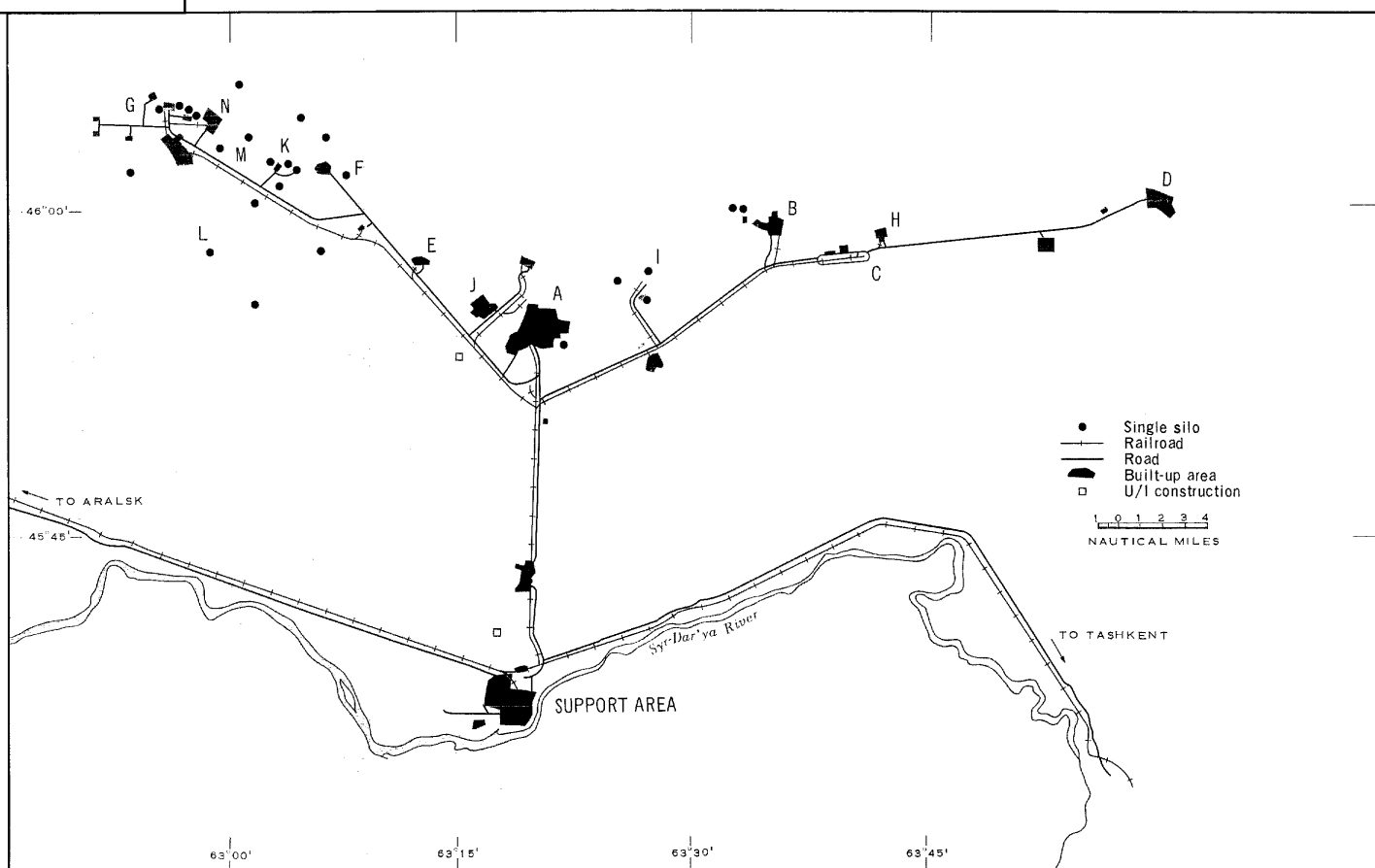
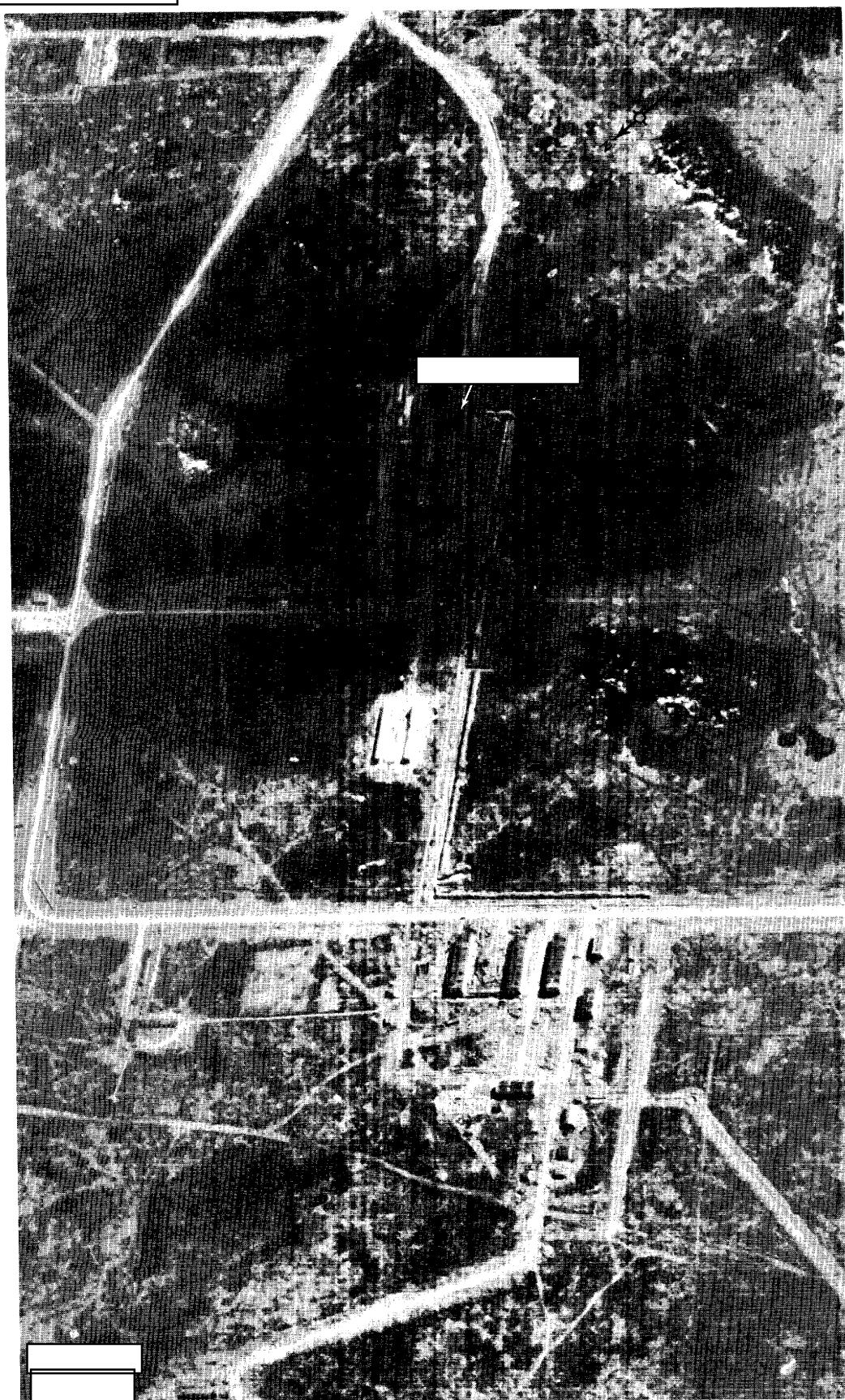


FIGURE 5. LARGE MULTISTORY BUILDING, TYURATAM MISSILE TEST CENTER.



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FIGURE 4. LARGE MULTISTORY BUILDING, PLESETSK MISSILE AND SPACE CENTER.

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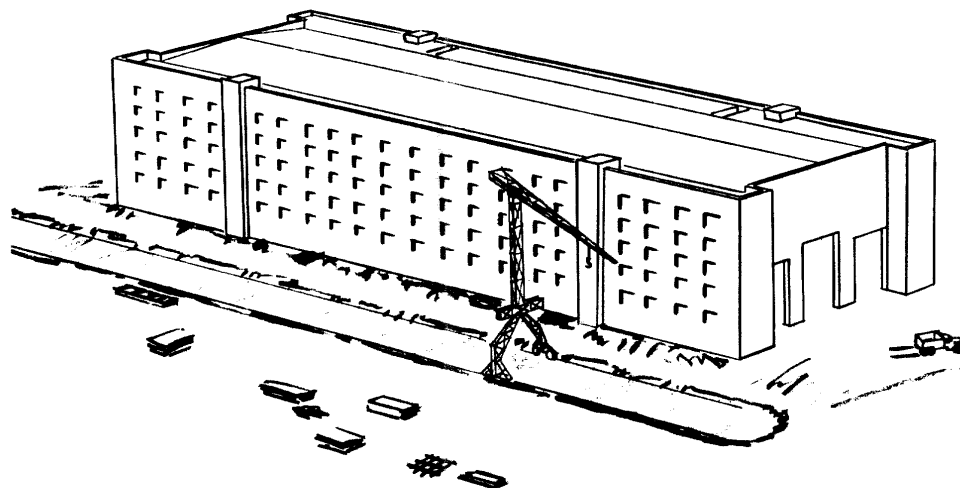
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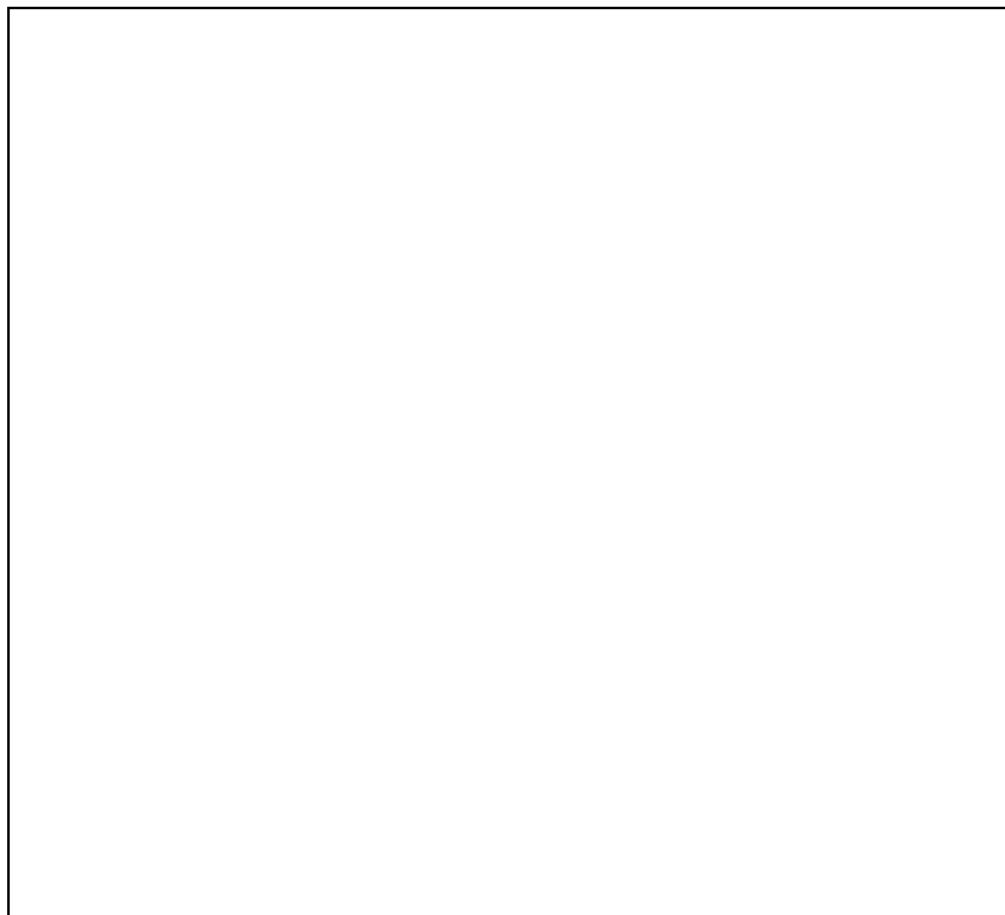


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FIGURE 6. PERSPECTIVE OF LARGE MULTISTORY BUILDING, TYURATAM MISSILE TEST CENTER.

REFERENCES

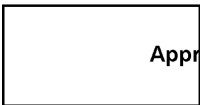
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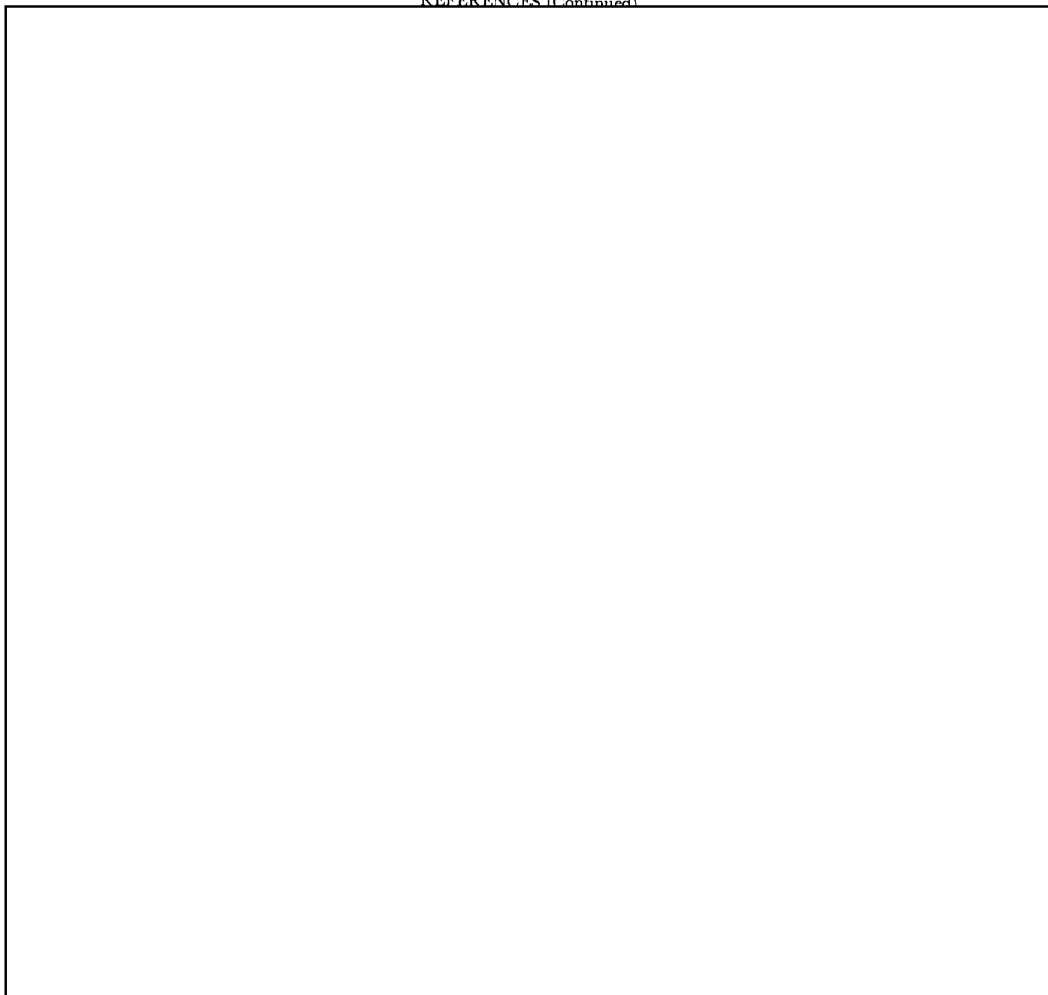


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AMS series, scale 1:250,000

USATC series, scale 1:200,000

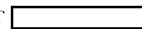
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RELATED DOCUMENT

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REQUIREMENT

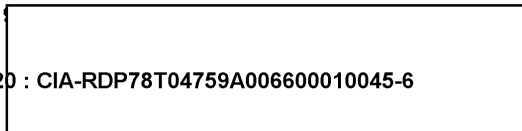
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